

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 21   | ("5416862" "6154589" "6185346" "6356680" "6415076" "6487338" "6510265" "6609834").PN.<br>"20020126954" "20020191906"<br>"20030011847" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/07/28 09:40 |
| L2    | 10   | L1 and aperture   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/07/28 09:41 |
| L3    | 1    | L1 and (slit hole)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/07/28 09:41 |
| L4    | 4    | "6693497".pn. "20020004307"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/07/28 09:42 |
| L5    | 2    | L4 and (mode adj converter) with (slit hole)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/07/28 09:45 |
| L6    | 1    | "20020118934" and (mode adj converter) with filter  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/07/28 09:54 |
| L7    | 0    | "20020097941" and (mode adj converter) with laser   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/07/28 09:59 |
| L8    | 0    | "20020097941" and (mode adj converter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/07/28 09:55 |
| L9    | 0    | "20020097941" and (mode adj transformer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/07/28 09:55 |
| L10   | 2    | "20020097941" and mode with laser   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/07/28 09:55 |

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| L11 | 1     | "20020097941" and transmitter with laser         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/28 10:00 |
| L12 | 1     | "20020097941" and laser with semiconductor       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/28 10:00 |
| L14 | 689   | 385/28.ccls.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/28 11:08 |
| L15 | 1375  | 385/27.ccls.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/28 11:08 |
| S1  | 8278  | (multi\$1mode (multi adj mode))<br>near3 fiber   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:40 |
| S2  | 18827 | (single\$1mode (single adj mode))<br>near3 fiber | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:41 |
| S3  | 3746  | S1 same S2                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:41 |
| S4  | 30    | spatial adj mode adj converter                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:44 |
| S5  | 5     | S3 same S4                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:42 |
| S6  | 8     | S3 and S4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:44 |

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| S7  | 3462 | mode adj (converter transformer)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 14:58 |
| S8  | 5    | S5 same S7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:45 |
| S9  | 40   | S3 same S7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:45 |
| S10 | 28   | S9 not @ad>="20030801"                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:50 |
| S11 | 339  | (mode adj (converter transformer))<br>near5 first  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:48 |
| S12 | 292  | (mode adj (converter transformer))<br>near5 second | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:48 |
| S13 | 206  | S11 and S12  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:48 |
| S14 | 170  | S11 same S12                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:48 |
| S15 | 6    | S3 same S14  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:49 |
| S16 | 30   | S3 and S13   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:49 |

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| S17 | 21  | S16 not @ad>="20030801"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:53 |
| S18 | 6   | S7 with bandwidth with increase   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 10:53 |
| S19 | 6   | S6 and increase near3 bandwidth   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 11:11 |
| S20 | 686 | 385/28.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 11:12 |
| S23 | 35  | high adj order adj mode adj fiber   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 11:34 |
| S24 | 22  | ("0126954" "0191906" "0011847" "5416862" "6154589" "6185346" "6356680" "6415076" "6487338" "6510265" "6609834").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:48 |
| S25 | 6   | "20020126954" "20020191906"<br>"20030011847"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:12 |
| S26 | 22  | ("0126954" "0191906" "0011847" "5416862" "6154589" "6185346" "6356680" "6415076" "6487338" "6510265" "6609834").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:12 |
| S27 | 6   | "20020126954" "20020191906"<br>"20030011847"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:12 |
| S28 | 27  | S26 S27   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:12 |

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| S29 | 8278  | (multi\$1mode (multi adj mode))<br>near3 fiber  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:12 |
| S30 | 18827 | (single\$1mode (single adj mode))<br>near3 fiber  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:12 |
| S31 | 16    | S28 and S29 and S30   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:13 |
| S32 | 3462  | mode adj (converter transformer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:13 |
| S33 | 0     | S31 and S32   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:13 |
| S34 | 0     | S28 and S32   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:14 |
| S35 | 9     | S28 and (convert\$3 transform\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:14 |
| S36 | 4     | S28 and (convert\$3 transform\$5)<br>near3 mod\$2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:45 |
| S37 | 2     | transmit\$4 same ((mode adj<br>(transform\$5 convert\$3)) near5<br>first) same ((multi\$1mode (multi adj<br>mode)) near3 fiber) same ((mode<br>adj (transform\$5 convert\$3)) near5<br>second) same receiv\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:50 |
| S38 | 37    | transmit\$4 and ((mode adj<br>(transform\$5 convert\$3)) near5<br>first) and ((multi\$1mode (multi adj<br>mode)) near3 fiber) and ((mode adj<br>(transform\$5 convert\$3)) near5<br>second) and receiv\$3     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:50 |

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S39 | 11    | S38 and excit\$5 near5 mod\$2                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:57 |
| S41 | 26    | S38 and reduc\$4 with mod\$2                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:54 |
| S42 | 10    | S38 and increas\$3 near5<br>(bandwidth width)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:54 |
| S43 | 1     | S39 and S41 and S42                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 13:54 |
| S45 | 3462  | mode adj (converter transformer)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 14:59 |
| S46 | 5     | S45 with (condition\$3 near5 mod\$2<br>near5 profile) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 17:16 |
| S47 | 6696  | mod\$2 near3 profile                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 17:17 |
| S48 | 820   | S47 and "385"/\$.ccls.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 17:17 |
| S49 | 8278  | (multi\$1mode (multi adj mode))<br>near3 fiber        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 17:18 |
| S50 | 18827 | (single\$1mode (single adj mode))<br>near3 fiber      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 17:18 |

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| S51 | 3746  | S49 same S50                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 17:18 |
| S52 | 30    | spatial adj mode adj converter                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 17:18 |
| S53 | 8     | S51 and S52                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 17:19 |
| S54 | 5     | mod\$2 near3 profile and S53                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/25 17:18 |
| S55 | 8283  | (multi\$1mode (multi adj mode))<br>near3 fiber   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:39 |
| S56 | 18842 | (single\$1mode (single adj mode))<br>near3 fiber | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:39 |
| S57 | 3750  | S55 same S56                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:39 |
| S58 | 30    | spatial adj mode adj converter                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:39 |
| S59 | 8     | S57 and S58                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:39 |
| S62 | 3     | S59 and (displac\$5 offset angle)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:42 |

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| S63 | 3  | S55 and S56 and S58 and (displacement\$5 offset angle)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:47 |
| S64 | 3  | S55 and S56 and S58 and aperture  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:48 |
| S65 | 21 | ("5416862" "6154589" "6185346" "6356680" "6415076" "6487338" "6510265" "6609834").PN.<br>"20020126954" "20020191906"<br>"20030011847" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:47 |
| S66 | 10 | S65 and aperture  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:52 |
| S69 | 1  | S65 and (slit hole)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 19:00 |
| S70 | 1  | S58 with (slit near3 aperture)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:53 |
| S71 | 1  | S58 with aperture   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:53 |
| S72 | 1  | S58 with slit   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 16:53 |
| S81 | 5  | S65 and offset\$4 and angle\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:00 |
| S82 | 9  | S65 and (offset\$4 angle\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:08 |



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|-----|------|--------------------------------------|---|----|----|------------------|
| S84 | 6    | S65 and filter                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:09 |
| S85 | 5    | S59 and filter                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:10 |
| S86 | 1    | S58 with filter                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:10 |
| S87 | 2    | S58 same filter                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:10 |
| S88 | 3464 | mode adj (converter transformer)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:10 |
| S89 | 248  | S88 with filter                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:11 |
| S90 | 14   | S88 with filter and S55 and S56      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:44 |
| S91 | 33   | S88 with aperture                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:50 |
| S92 | 2    | S88 with (pin\$1hole (pin adj hole)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:50 |
| S93 | 5    | S88 with slit                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:52 |

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| S94      | 6     | S88 with concentric   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:53 |
| S95      | 0     | S88 with aperture with concentric   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:54 |
| S96      | 2     | S88 same (aperture with concentric)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:54 |
| S97      | 16321 | aperture with concentric  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:54 |
| S98      | 17    | aperture with concentric with circ\$4<br>with (pin\$1hole (pin adj hole)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:56 |
| S99      | 1     | S98 and "385"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:56 |
| S10<br>0 | 5     | S98 and mod\$2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/26 18:57 |
| S10<br>1 | 8283  | (multi\$1mode (multi adj mode))<br>near3 fiber                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:44 |
| S10<br>2 | 18842 | (single\$1mode (single adj mode))<br>near3 fiber                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:44 |
| S10<br>3 | 3750  | S101 same S102  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:44 |

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| S10<br>4 | 30 | spatial adj mode adj converter  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:44 |
| S10<br>5 | 8  | S103 and S104   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:44 |
| S10<br>6 | 0  | S105 and (thom with single-mode)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:45 |
| S10<br>7 | 1  | S105 and (thom with smf)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:45 |
| S10<br>8 | 21 | ("5416862" "6154589" "6185346" "6356680" "6415076" "6487338" "6510265" "6609834").PN.<br>"20020126954" "20020191906"<br>"20030011847" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:47 |
| S10<br>9 | 0  | S108 and mmf with smf   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:48 |
| S11<br>0 | 17 | S108 and ((multi\$1mode (multi adj mode)) with (single\$1mode (single adj mode)))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:51 |
| S11<br>1 | 0  | S108 and ((multi\$1mode (multi adj mode)) with (long\$1haul (long adj haul)))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:51 |
| S11<br>2 | 0  | S108 and ((multi\$1mode (multi adj mode)) with distant)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:52 |
| S11<br>3 | 9  | S108 and ((multi\$1mode (multi adj mode)) with distan\$2)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:54 |

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| S11<br>4 | 2    | S108 and (conditioning adj patch)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:54 |
| S11<br>5 | 1    | S105 and (conditioning adj patch)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:55 |
| S11<br>6 | 1    | S104 with aperture                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:56 |
| S11<br>7 | 1    | S104 same aperture                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:56 |
| S11<br>8 | 5    | S104 and aperture  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:56 |
| S11<br>9 | 3464 | mode adj (converter transformer)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:57 |
| S12<br>0 | 33   | S119 with aperture                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:57 |
| S12<br>1 | 21   | S119 with (aperture not numeric\$2)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 10:57 |
| S12<br>3 | 3464 | mode adj (converter transformer)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 13:31 |
| S12<br>4 | 12   | S123 with (slit pin\$1hole (pin adj<br>hole) concentric) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 13:45 |

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| S12<br>5 | 53    | S123 with (hole opening)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 19:06 |
| S12<br>6 | 0     | S123 with aperture with concentric  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 13:53 |
| S12<br>7 | 33    | S123 with aperture  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 13:59 |
| S12<br>8 | 248   | S123 with filter  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:00 |
| S12<br>9 | 31    | S123 with filter with fiber   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:04 |
| S13<br>0 | 52205 | receiver with filter  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:04 |
| S13<br>1 | 28700 | receiver near5 filter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:04 |
| S13<br>2 | 433   | ((receiver near5 filter) and "385"/\$.<br>ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:05 |
| S13<br>3 | 104   | ((receiver near5 filter) with fiber)<br>and "385"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:05 |
| S13<br>4 | 0     | ((receiver near5 filter) with<br>((multi\$1mode (multi adj mode))<br>near3 fiber)) and "385"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:07 |

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| S13<br>5 | 1   | ((receiver near5 filter) with<br>((multi\$1mode (multi adj mode))<br>near3 fiber)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:11 |
| S13<br>6 | 7   | S123 and chang\$3 with bandwidth<br>with (therm\$5 heat temperature)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:14 |
| S13<br>7 | 5   | S123 and chang\$3 with bandwidth<br>with (polariz\$5)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:16 |
| S13<br>8 | 3   | S123 and chang\$3 with bandwidth<br>with stress                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:17 |
| S14<br>0 | 3   | S123 and chang\$3 with bandwidth<br>with splic\$3                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:19 |
| S14<br>1 | 119 | (electro\$1absorption (electro adj<br>absorption)) adj modulated adj laser         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:20 |
| S14<br>2 | 29  | S141 with transmi\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:20 |
| S14<br>3 | 23  | S142 not @ad>="20030801"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:21 |
| S14<br>4 | 5   | S143 and "385"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:23 |
| S14<br>5 | 10  | S143 and (semi\$1conductor (semi<br>adj conductor))                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:28 |

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| S14<br>6 | 59   | receiver with filter with chang\$3<br>with power   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:30 |
| S14<br>7 | 1    | S146 and "385"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:28 |
| S14<br>8 | 1278 | receiver with filter with<br>(reconstruct\$3 construct\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:30 |
| S14<br>9 | 0    | receiver with filter with<br>(reconstruct\$3 construct\$3) with<br>(multi\$1mode (multi adj mode))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:30 |
| S15<br>0 | 14   | receiver with filter with<br>(reconstruct\$3 construct\$3) with<br>fiber                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:31 |
| S15<br>1 | 12   | S150 not @ad>="20030801"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:32 |
| S15<br>2 | 2    | "6360045".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 14:32 |
| S15<br>3 | 7    | ("4261639"   "5185827"   "5261016"<br>  "5361319"   "5388113"  <br>"5559920"   "5781673").PN.          | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2005/07/27 14:38 |
| S15<br>4 | 20   | transmitter with ((time\$1varied<br>time\$1varying (time adj varied)<br>(time adj varying)) adj phase) | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2005/07/27 17:31 |
| S15<br>5 | 1    | "6415076".pn.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2005/07/27 17:41 |
| S15<br>6 | 4    | "6360045"  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2005/07/27 18:54 |

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| S15<br>8 | 30  | spatial adj mode adj converter  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 18:58 |
| S15<br>9 | 1   | S158 with (pin\$1hole (pin adj hole))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 18:58 |
| S16<br>0 | 2   | "5361319".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 19:00 |
| S16<br>1 | 2   | "5253309".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 19:00 |
| S16<br>2 | 21  | ("5416862" "6154589" "6185346" "6356680" "6415076" "6487338" "6510265" "6609834").PN.<br>"20020126954" "20020191906"<br>"20030011847" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 19:06 |
| S16<br>3 | 4   | S162 and polarization   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/28 09:40 |
| S16<br>4 | 6   | S162 and splic\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 19:07 |
| S16<br>5 | 215 | bandwidth with polarization with mod\$2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 19:10 |
| S16<br>6 | 55  | bandwidth with polarization with mod\$2 with fiber  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/28 11:08 |
| S16<br>7 | 3   | bandwidth with polarization with mod\$2 with fiber with (chang\$3 varied varies vary variation) with (convert\$3 transform\$5)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 19:18 |



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| S16<br>8 | 4 | "6693497".pn. "20020004307"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/28 09:42 |
| S16<br>9 | 3 | bandwidth with polarization with<br>mod\$2 with (chang\$3 varied varies<br>vary variation) with (convert\$3<br>transform\$5) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 19:18 |
| S17<br>0 | 8 | bandwidth with polarization with<br>mod\$2 with (convert\$3<br>transform\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/27 19:19 |